

**Notice of Allowability**

Application No.

10/017,585

Examiner

David L. Lewis

Applicant(s)

CHOI ET AL.

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/26/2007.
2. ☒ The allowed claim(s) is/are 1-6 and 8-21.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 6/19/2007.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.



### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric Nuss on 6/19/2007.

The application has been amended as follows:

**Claim 6 was amended to include the subject matter of canceled claim 7.**

**6. (Examiner Amended)** A method of driving a ferroelectric liquid display, comprising:

supplying always only one color data signal to a liquid crystal cell of a liquid crystal panel, wherein liquid crystal in the liquid crystal cell responds to the color data signal during a responding period for the color data signal; and

generating always only one colored light after the responding period, wherein the colored light is generated in correspondence with the color data signals, wherein the color data signal is one of a red, green, and blue color signal,

wherein all time intervals between supplying color data signals in a scanning period are substantially equal[.],

wherein a backlight is in a stand-by state during the responding period.


**7. (Claim 7 canceled)**

end

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David L. Lewis whose telephone number is 571 272-7673. The examiner can normally be reached on M, T, TH, F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 703 305-4938. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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### **REASONS FOR ALLOWANCE**

1. Claims 1-6 and 8-21 are allowed over the prior art of record.
2. Claim 7 has been cancelled.
3. The following is an examiner's statement of reasons for allowance: The Applicant arguments filed on 3/26/2007 are in part persuasive and the Applicants approval of the Examiners Amendment during the interview of 6/19/2007, placing the subject matter of claim 7 into claim 6 places the case in condition for allowance. The feature of independent claims 1, 6, and 13 directed towards allowable subject matter is a liquid crystal display having a backlight in a stand-by state during of a responding period, generating always only one colored light after the responding period in correspondence with the color data signals, and wherein all time intervals between supplying color data signals in the scanning period are substantially equal. As argued by the Applicant Mitzutani teaches of a backlight producing red light then green light then blue light followed by an off period, wherein the off period at the end of a color sequence is greater than time interval between the color data signals in sequence. Therefore while Mitzutani teach of a backlight color sequence, Mitzutani fails to teach of wherein all time intervals between supplying color data signals in the scanning period are

substantially equal. Further, while Mitzutani teaches of a backlight in sync with a pixel illumination, he also fails to explicitly and specifically teach of generating always only one colored light after the responding period. Therefore this feature of claims 1, 6, and 13 in combination with the other limitations of the claim makes them allowable over the prior art of record.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **David L. Lewis** whose telephone number is **(571) 272-7673**. The examiner can normally be reached on MTWTHF from 8 to 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala, can be reached on **(571) 272-7681**. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571)-273-8300.
6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

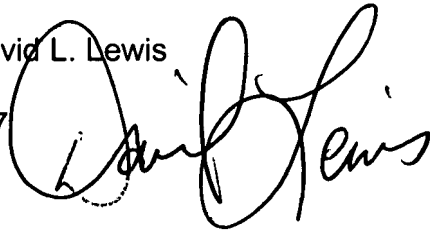
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published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Examiner: David L. Lewis

June 19, 2007

A handwritten signature in black ink, appearing to read "David L. Lewis", is written over the printed name and date.